Antimicrobial Resistance: A Patient's Perspective

Tori Kinamon PACCARB Meeting January 24, 2022

IVY LEAGUE GYMNASTICS CHAMPIONSHIPS 2014

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"First, we save the life, then we save the limb."

- MRSA bacteremia
- 18 cm abscess
- MRSA pyomyositis
- Over 1 month in the hospital
- Next 3 months recovering at home
 - PICC line antibiotics
 - Follow up with Infectious Disease, Surgery
 - Extensive Physical Therapy
- Psychologically taxing

"Why did this happen to me?"

"How did I get this infection?"

"How do I prevent it from happening again?"

"Can we treat this?"

"Will it come back?"

"How do I know that the infection is gone?"



Antimicrobial resistance is a threat to all of us. However, it burdens some populations more than others.

Nadimpalli et al. Nat Med. 2021 Feb;27(2):187-188. Ruffin et al, Clin Infect Dis. 2022 Nov 14. Epub.

Antibiotics: "safety net" of modern

medicine



AMR from a *medical student's* perspective

- Core curriculum for microbiology/immunology training developed by Duke, UCSF, Stanford, Michigan
 - Introduces microbial complexity of anatomic sites
 - Develops clinical reasoning skills anchored in patient vignettes
 - Provides an emphasis on antimicrobial resistance and principles of antibiotic stewardship
- Questions on national board exams about antimicrobial resistance, principles of stewardship
- "Most important teaching is that of the moment!"

AMR from an <u>early</u> researcher's perspective



